



PROC-X MANUFACTURING GROUP INC.

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OIL & GAS PROCESSING SOLUTIONS

Integrated systems for materials handling, milling, mixing, dispersion, drying, dosing, packaging and automation.

Engineering the materials, fluids and specialty process systems behind energy production.

From raw material to field-ready performance.



Control
the **Particle**



Control
the **Formulation**



Control
the **Environment**



Control
the **Process**



Integrated technologies from AIS | DP Mills | QuantumX | EmulXion | FuXion | PreciXion

BETTER PROCESSING BEGINS BEFORE PRODUCTION

Proc-X engineers integrated systems that prepare, condition, blend, mill, disperse, dry, dose, and control the materials and fluids that power every stage of oil and gas processing.



MATERIALS WE HANDLE

- Drilling additives
- Catalysts
- Specialty minerals
- Filtration media
- Carbon materials
- Powders
- Slurries
- Liquids
- Performance chemicals



Consistent
Quality



Precise
Process Control



Scalable
Performance



Safer Cleaner
Processing

ONE CONNECTED OIL & GAS PROCESSING PLATFORM

Proc-X integrates multiple proven process technologies into one coordinated solution—designed to work together seamlessly for maximum performance, efficiency and reliability.



AIS



Engineered systems for receiving, storage, conveying and precise dosing of bulk materials.

DP Mills



High-performance particle size reduction and classification for consistent, controlled results.

QuantumX



Advanced mixing and vacuum drying for moisture control and product quality at scale.

EmulXion



High-shear mixing and dispersion technologies for stable, uniform emulsions and suspensions.

FuXion



Continuous compounding and forming solutions for consistent quality and maximum throughput.

Proc-X Automation



Integrated controls, system integration, FAT and commissioning for seamless, reliable operations.



RAW
MATERIAL



RECEIVE



REDUCE



MIX / DRY



DISPERSE



COMPOUND



CONTROL



FINISHED
PRODUCT



ONE
INTEGRATED
PLATFORM



ONE
SOURCE OF
ACCOUNTABILITY



ONE
STANDARD OF
EXCELLENCE



ONE
LONG-TERM
PARTNER



PROC-X MANUFACTURING GROUP INC.

ADVANCED MIXING, BLENDING & VACUUM DRYING

QuantumX solutions for demanding
oil & gas materials.



RIBBON MIXING

Efficient axial and radial mixing for a wide range of bulk materials.



PADDLE MIXING

Gentle yet effective blending of sensitive or fragile materials.



PLOUGHSHARE MIXING

Intensive mixing for sticky, pasty and high-viscosity materials.



HIGH-SPEED CHOPPERS

Rapid dispersion and deagglomeration of lumps and clumps.



VACUUM DRYING

Low-temperature moisture removal to protect material integrity and performance.



SOLVENT RECOVERY

Integrated condensation systems for efficient solvent capture and reuse.



INERT ATMOSPHERE CAPABILITY

Nitrogen purging and sealed design for oxygen-sensitive materials.



AGGLOMERATE REDUCTION

Breaks down agglomerates to improve flowability and processability.



TEMPERATURE CONTROL

Precise heating and cooling for optimal process stability and material quality.



IMPROVED UNIFORMITY

Consistent blending for repeatable performance in every batch.



BUILT FOR MATERIAL PERFORMANCE



UNIFORM ADDITIVE DISTRIBUTION

Consistent quality across every batch.



IMPROVED PRODUCT CONSISTENCY

Fewer variations, better reliability.



TIGHT PROCESS CONTROL

Dial in the exact performance you need.



EFFICIENT THERMAL PROCESSING

Lower energy use, higher throughput.



REDUCED MOISTURE

Protect formulations, extend shelf life.



SCALABLE BATCH PERFORMANCE

From pilot to production, results you can trust.

BUILT FOR THE DIFFICULT MATERIALS BEHIND MODERN ENERGY PRODUCTION.

POWDER HANDLING, MILLING & DOSING

Controlled preparation of powders and dry additives for safe, consistent and efficient performance in oil and gas processing.



END-TO-END POWDER PREPARATION

-  Protected material receiving
-  Storage silos and bins
-  Precision loss-in-weight dosing
-  Automated batching
-  Contained transfer
-  Pin milling
-  Air classification
-  Particle size control
-  Deagglomeration
-  Classification



ENGINEERED RESULTS

-  Better flow
-  Tighter PSD
-  Lower contamination risk
-  Dust containment
-  Repeatable feed preparation
-  Production-ready automation

**PREPARE THE MATERIAL CORRECTLY
BEFORE IT EVER REACHES THE PROCESS.**

SLURRY PREPARATION & HIGH-SHEAR DISPERSION

High-performance EmulXion systems for rapid wetting, deagglomeration and uniform dispersion of solids.



POWDER WETTING

Rapid surface wetting for faster incorporation and fewer fisheyes.



VISCOSITY CONTROL

Optimized mixing for target rheology and pumpable performance.



LIQUID INDUCTION

Powerful induction zone draws powders in quickly and efficiently.



DEAERATION

Minimizes entrained air for higher quality and process reliability.



HIGH-SHEAR MIXING

Intense rotor-stator shear breaks agglomerates and reduces particle size.



RECIRCULATION

Inline or loop configurations for continuous, scalable processing.



DEAGGLOMERATION

Disrupts particle clusters to achieve fine, stable dispersions.



UNIFORM SOLIDS DISTRIBUTION

Consistent particle distribution for maximum performance.

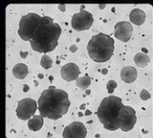
EmulXion

IDEAL FOR OIL & GAS APPLICATIONS

- Drilling Fluid Additives
- Filtration Aids
- Specialty Slurries
- Suspensions
- Chemical Blends
- Performance Formulations

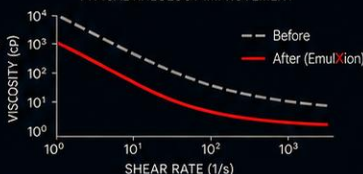
BEFORE & AFTER: SUPERIOR DISPERSION. OPTIMIZED RHEOLOGY.

BEFORE Poor Dispersion

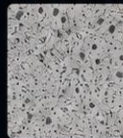


- ✗ Agglomerates present
- ✗ High viscosity
- ✗ Poor stability
- ✗ Inconsistent performance

TYPICAL RHEOLOGY IMPROVEMENT



AFTER Optimized Dispersion



- ✓ Fine particle dispersion
- ✓ Lower viscosity
- ✓ Improved stability
- ✓ Consistent performance



CONSISTENT QUALITY

Uniform dispersions batch after batch.



PRECISE CONTROL

Dial in rheology and performance.



PROCESS STABILITY

Reduced variability. Higher reliability.

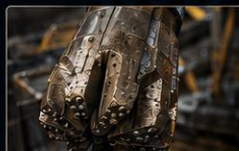


FASTER SCALE-UP

Seamless transition from lab to plant.

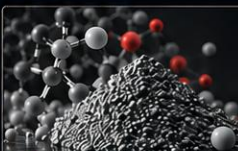
APPLICATIONS ACROSS OIL & GAS

Proc-X engineers around the material, the formulation, and the process—delivering tailored solutions that solve real-world challenges and drive performance across the entire oil & gas value chain.



01 DRILLING ADDITIVES

- Weighting & bridging agents
- Fluid loss control
- Shale stabilization
- Lubricity & friction reduction



02 CATALYSTS & CATALYST SUPPORTS

- FCC & hydroprocessing catalysts
- Reforming & isomerization catalysts
- Catalyst supports & carriers
- Custom-engineered solutions



03 SPECIALTY MINERALS & FILLERS

- Barite, calcium carbonate, mica
- Extenders & functional fillers
- High-purity & engineered grades
- Consistent quality, global supply



04 FILTRATION MEDIA

- Depth & surface filtration media
- Gas & liquid filtration solutions
- High-efficiency particles removal
- Custom media blends



05 CARBON AND GRAPHITE MATERIALS

- Petroleum coke & calcined coke
- Graphite powders & flakes
- Conductive & high-temp solutions
- Tailored to performance needs



06 CEMENTING ADDITIVES

- Retarders, dispersants, extenders
- Thickening & fluid loss control
- Strength development enhancers
- Reliable performance downhole



07 PERFORMANCE CHEMICAL BLENDS

- Corrosion & scale inhibitors
- Demulsifiers & treaters
- Hydraulic & completion fluids
- Application-specific blends



08 SLURRY-BASED FORMULATIONS

- High-solids, low-settling systems
- Pumpable & pourable formulations
- Tailored rheology & stability
- Built for field performance

CONTROL WHERE IT MATTERS MOST



PARTICLE SIZE
& DISTRIBUTION



MOISTURE
CONTROL



BLENDING &
DISPERSION



ATMOSPHERE
CONTROL



MATERIAL
HANDLING



FORMULATION
CONTROL

NO ONE-SIZE-FITS-ALL SOLUTION – WE ENGINEER
AROUND THE MATERIAL, THE FORMULATION, AND THE PROCESS.

YOUR PARTNER FROM DEVELOPMENT TO PRODUCTION

Proc-X supports you at every stage of your project lifecycle. From concept and pilot testing through scale-up, production systems, controls, FAT, commissioning, and ongoing lifecycle support—we deliver integrated solutions that perform.



WHY PROC-X



Engineered for Performance

High-efficiency systems designed for reliability, safety and uptime.



Complete Process Expertise

End-to-end capabilities across oil & gas processing applications.



Tailored Systems

Custom solutions built to your process, site and objectives.



Premium Quality Execution

Built to the highest standards with rigorous quality assurance.



Trusted Long-Term Support

Lifecycle support that keeps your operations performing.



Visit our website:
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